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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/600,162	06/20/2003	Srinivasa Mpr	13943US01	9706

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EXAMINER

DIEP, NHON THANH

ART UNIT	PAPER NUMBER
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2621

MAIL DATE	DELIVERY MODE
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11/15/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/600,162

Applicant(s)

MPR ET AL.

Examiner

Nhon T. Diep

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 September 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 17-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 17-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11/17/2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 9/17/2007 have been fully considered but they are not persuasive.

With regard to the applicants' argument that "Assignee respectfully submits that, while Gatto at [0007] may recite, ~the analog bus including a video signal decoder coupled to the input", Gatto at [0007] does not teach that the aforementioned ~analog bus including the video signal decoder" "decompress[es] a plurality of compressed video streams, thereby resulting in a plurality of decompressed video streams". In fact, Gatto [0007] does not even teach "a plurality of compressed video streams". Accordingly, Gatto, especially Gatto [0007] does not teach or fairly suggest ~a video decoder for decompressing a plurality of compressed video streams, thereby resulting in a plurality of decompressed video streams, wherein each of said decompressed video streams comprises a plurality of pictures". For this reason alone, Assignee respectfully traverses the rejection to claim 17 and requests that Examiner withdraw the rejection, as well as to dependent claims 18 and 19.". The examiner respectfully disagrees. Paragraph 0007 teaches "In accordance with the above-described objects and those that will be mentioned and will become apparent below, an interactive TV device, according to an embodiment of the present invention, comprises an input, the input being configured to accept a plurality of input streams; an output, the output being configured to selectively output a plurality of output streams.". Further more, if as indicated the first digital bus connected between **the** input and output,..., the analog bus

including a video signal decoder **coupled to the** input.... It is respectfully submitted that the above teaching fairly discloses a decoder coupled to the input, wheein the input being configured to accept a plurality of input streams and input of a plurality of input streams to the decoder must be compressed or encoded streams. In addition to the above paragraph, it is also respectfully submitted that paragraph 0046 discloses "The first graphics engine 192 may include, for example, one or more (MPEGx, for example, where x=1, 2 or 4) video encoders 144 coupled to a Central Processing Unit (CPU) 146, which CPU 146 is coupled to one or more (MPEGx, for example) video decoders 154."

Having answered applicants' argument, the examiner maintains all of the outstanding rejections as set forth in the previous office action and repeat as bellows.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 17-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Gatto et al, cited previously..

Gatto et al discloses an interactive television devices and systems comprising the same system for providing a plurality of videos simultaneous display, said system comprising: a video decoder for decompressing a plurality of compressed video

streams, thereby resulting in a plurality of decompressed video streams, wherein each of said decompressed video streams comprises a plurality of pictures (paragraph 0007 shows only a video decoder for accepting a plurality of input stream); and a register for indicating a past prediction picture, and a future prediction picture for each of the plurality of compressed video streams (paragraph 0009 shows MPEG which comprises I, P and B frames and since MPEG involves predictive coding, registers or frame memories must be reserved at the decoder so one can predict pictures in the GOP based on those stored reference frames) as specified in claim 17; wherein the video decoder motion compensates motion estimated pictures in each of the plurality of compressed video streams using at least the past prediction pictures indicated by said register for each of the plurality of compressed video streams (inherently included in MPEG standards) as specified in claim 18; and wherein said register indicates a picture for display for each of the plurality of compressed video streams (again, MPEG transmits pictures in GOP with different order than displaying order so it requires the indicating of displaying picture) and further comprising: a display engine for providing an output, said output concatenating the pictures for display for each of the plurality of compressed video streams indicated by the register (fig. 8 and paragraph 0036) as specified in claim 19.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nhon T. Diep whose telephone number is 571-272-7328. The examiner can normally be reached on m-f.

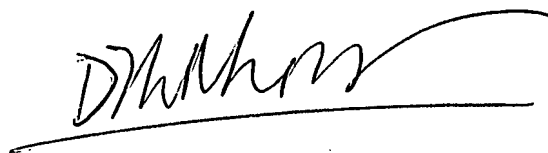
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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on 571-272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ND



**NHON DIEP
PRIMARY EXAMINER**